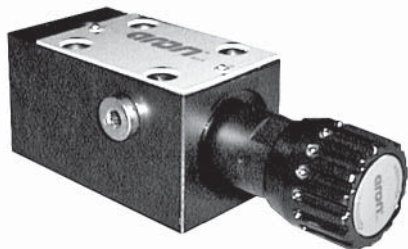


PV*.3 / PV*.U.3 PRESSURE REDUCING AND SEQUENCING VALVES CETOP 3/NG6



PVR.3 / PVS.3...

These subplate mounting piloted type pressure reducing and sequencing valves ensure a minimum variation in their calibrated pressure value with changing flow rate.

They are normally supplied with internal piloting and internal drainage on B, but they are already provided with a hole on the front cover to allow for external drainage.

They are available with two different types of adjustment and three calibrated ranges that cover pressure 7 ÷ 250 bar, with and without check valve.

The adjustment is carried out by means of a grub screw or a metric plastic knob.

Max. pressure	320 bar
Setting ranges	Spring 1 max. 60 bar Spring 2 max. 120 bar Spring 3 max. 250 bar
Maximum allowed Δp pressure between the inlet and outlet pressure (PVR only)	150 bar
Max. flow	40 l/min
Draining on port T	0.5 ÷ 0.7 l/min
Hydraulic fluids	Mineral oils DIN 51524
Fluid viscosity	10 ÷ 500 mm ² /s
Fluid temperature	-25°C ÷ 75°C
Ambient temperature	-25°C ÷ 60°C
Max. contamination lever	class 10 in accordance with NAS 1638 with filter $\beta_{25} \geq 75$
Weight (without check valve)	1,5 Kg
Weight (with check valve)	2 Kg

ORDERING CODE

PV*

R = Reducing valve
S = Sequencing valve

U

Check valve
(omit if not required)

3

CETOP 3/NG6

*

Type of adjustment:
M = Plastic knob
C = Grub screw

*

Setting ranges
1 = max. 60 bar (**white spring**)
2 = max. 120 bar (**yellow spring**)
3 = max. 250 bar (**green spring**)

**

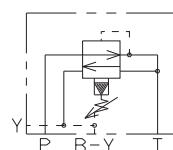
00 = No variant
V1 = Viton

1

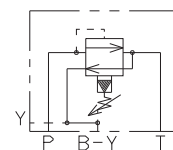
Serial No.

HYDRAULIC SYMBOLS

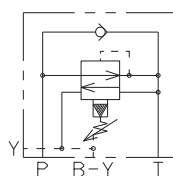
PVR.3...



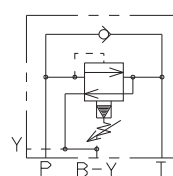
PVS.3...



PVR.U.3...

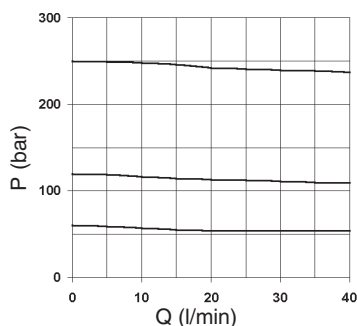


PVS.U.3...

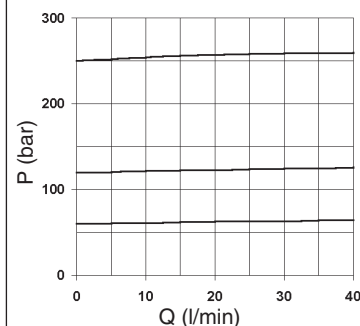


DIAGRAMS

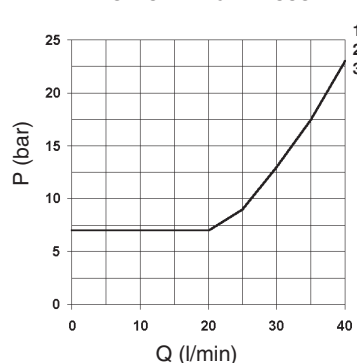
PVR.3... / PVR.U.3...
PRESSURE - FLOW RATE



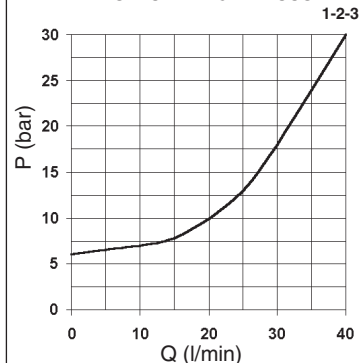
PVS.3... / PVS.U.3...
PRESSURE - FLOW RATE



PVR.3... / PVR.U.3...
MINIMUM SETTING PRESSURE



PVS.3... / PVS.U.3...
MINIMUM SETTING PRESSURE



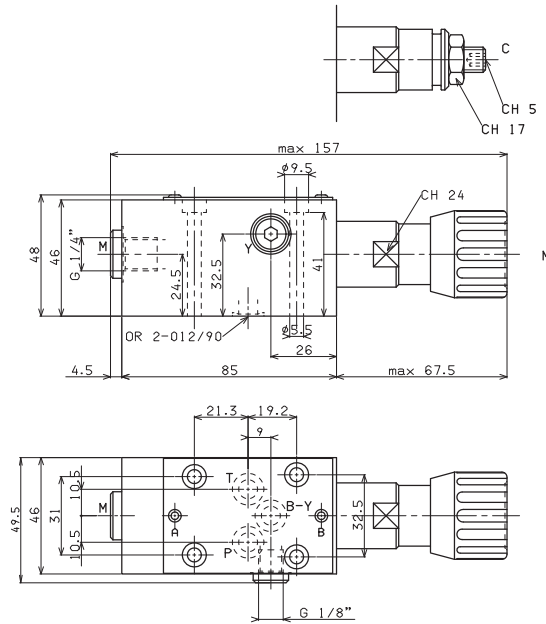
Curves n° 1 - 2 - 3 = setting ranges

The fluid used is a mineral oil with viscosity of 46 mm²/s at 40°C. The tests were carried out at a fluid temperature of 50°C.

OVERALL DIMENSIONS

REDUCING VALVE
PVR.3... CETOP 3/NG6

SEQUENCING VALVE
PVS.3... CETOP 3/NG6

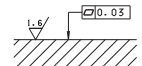


Type of adjustment

- M Plastic knob
- C Grub screw

Fixing screws UNI 5931 M5x50
with material specifications min. 8.8
Tightening torque 5 Nm / 0.5 Kgm

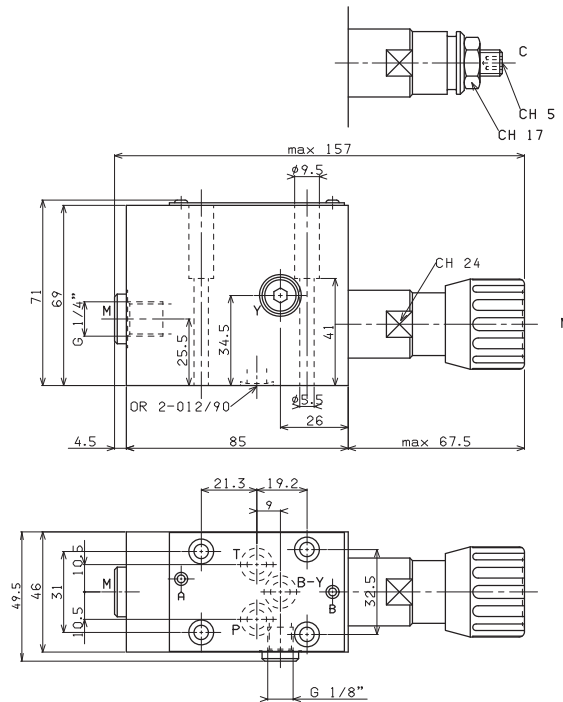
Support plane
specifications



OVERALL DIMENSIONS

REDUCING VALVE WITH CHECK VALVE
PVR.U.3... CETOP 3/NG6

SEQUENCING VALVE WITH CHECK VALVE
PVS.U.3... CETOP 3/NG6

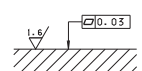


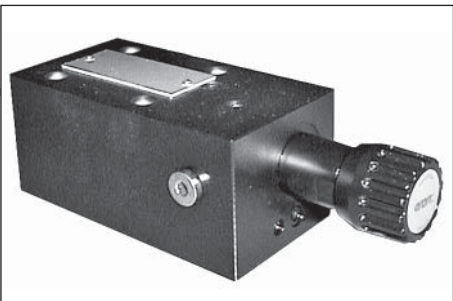
Type of adjustment

- M Plastic knob
- C Grub screw

Fixing screws UNI 5931 M5x50
with material specifications min. 8.8
Tightening torque 5 Nm / 0.5 Kgm

Support plane
specifications





PVR.5 / PVS.5...

PV*.5 / PV*.U.5 PRESSURE REDUCING AND SEQUENCING VALVES CETOP 5/NG10



These subplate mounting piloted type pressure reducing and sequencing valves ensure a minimum variation in their calibrated pressure value with changing flow rate.

They are normally supplied with internal piloting and internal drainage on B, but they are already provided with a hole on the front cover to allow for external drainage.

They are available with two different types of adjustment and three calibrated ranges that cover pressure 7 ÷ 250 bar, with and without check valve.

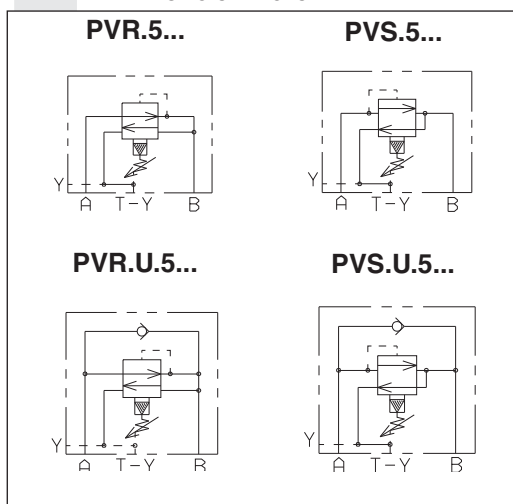
The adjustment is carried out by means of a grub screw or a metric plastic knob.

Max. pressure	320 bar	
Setting ranges	Spring 1	max. 60 bar
	Spring 2	max. 120 bar
	Spring 3	max. 250 bar
Maximum allowed Δp pressure between the inlet and outlet pressure (PVR only)		
Max. flow	150 bar	
Draining on port T	90 l/min	
Hydraulic fluids	0.5 ÷ 0.7 l/min	
Fluid viscosity	Mineral oils DIN 51524	
Fluid temperature	10 ÷ 500 mm ² /s	
Ambient temperature	-25°C ÷ 75°C	
Max. contamination level	-25°C ÷ 60°C	
	class 10 in accordance with NAS 1638 with filter $\beta_{25} \geq 75$	
Weight (without check valve)	3,8 Kg	
Weight (reducing valve with check valve)	4,2 Kg	
Weight (sequencing valve with check valve)	4,5 Kg	

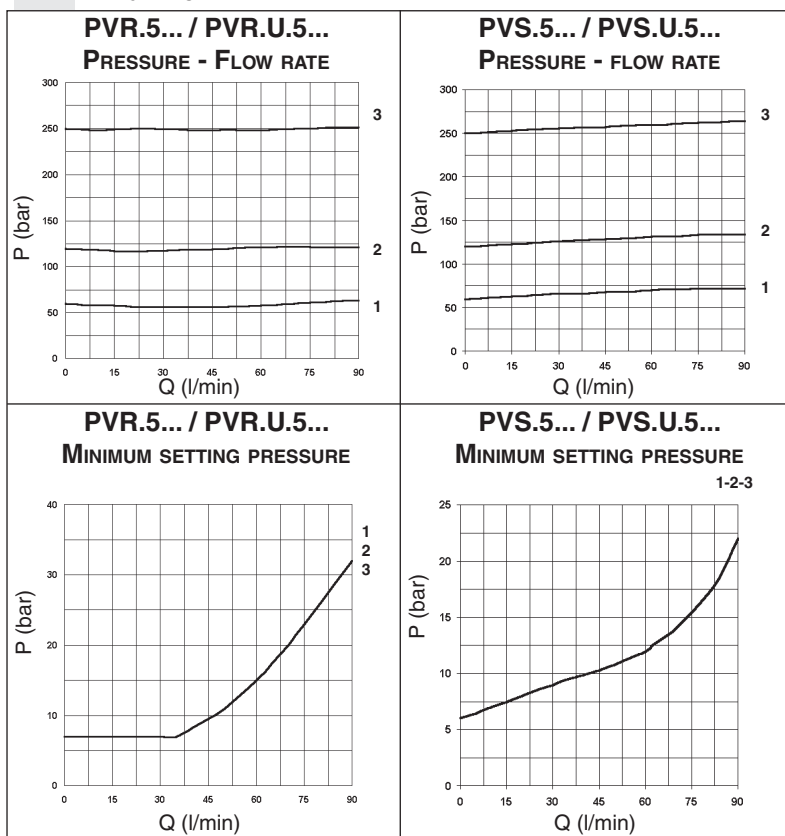
ORDERING CODE

PV*	R = Reducing valve S = Sequencing valve
U	Check valve (omit if not required)
5	CETOP 5/NG10
*	Type of adjustment: M = Plastic knob C = Grub screw
*	Setting ranges 1 = max. 60 bar (white spring) 2 = max. 120 bar (yellow spring) 3 = max. 250 bar (green spring)
**	00 = No variant V1 = Viton
1	Serial No.

HYDRAULIC SYMBOLS



DIAGRAMS

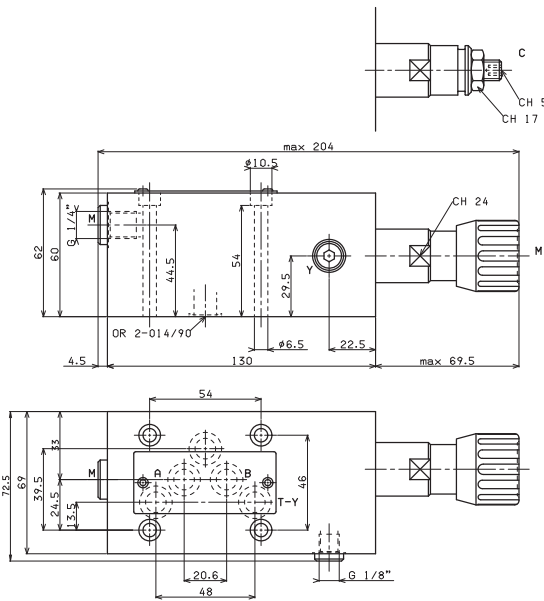


Curves n° 1 - 2 - 3 = setting ranges

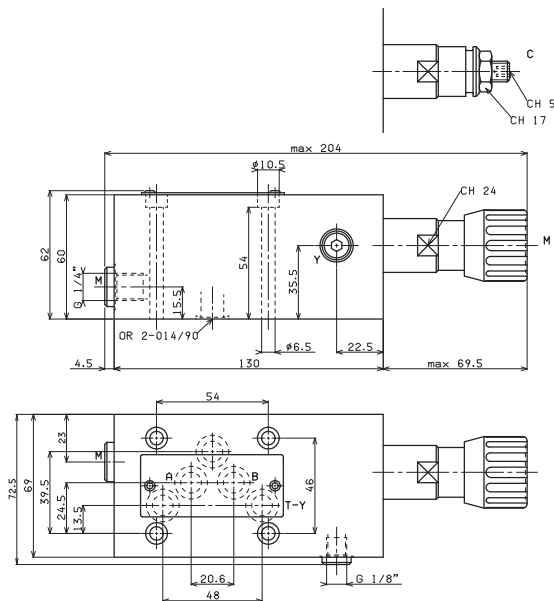
The fluid used is a mineral oil with viscosity of 46 mm²/s a 40°C. The tests were carried out at a fluid temperature of 50°C.

OVERALL DIMENSIONS

REDUCING VALVE
PVR.5... CETOP 5/NG10



SEQUENCING VALVE
PVS.5... CETOP 5/NG10

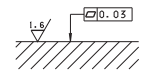


Type of adjustment

- M Plastic knob
- C Grub screw

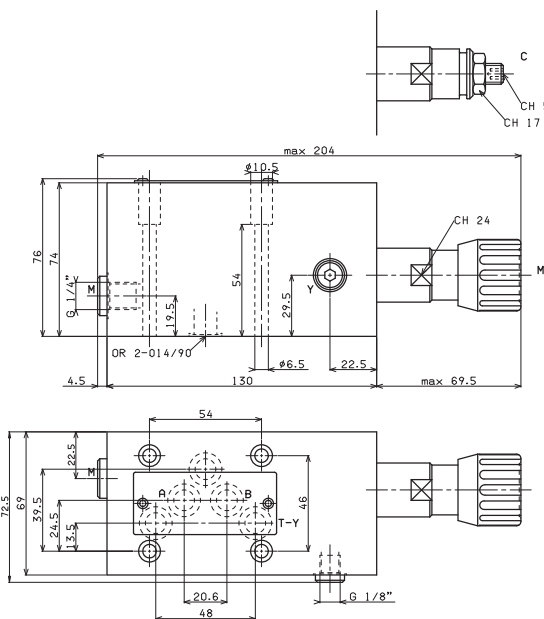
Fixing screws UNI 5931 M6x65
with material specifications min. 8.8
Tightening torque 8 Nm / 0.8 Kgm

Support plane
specifications

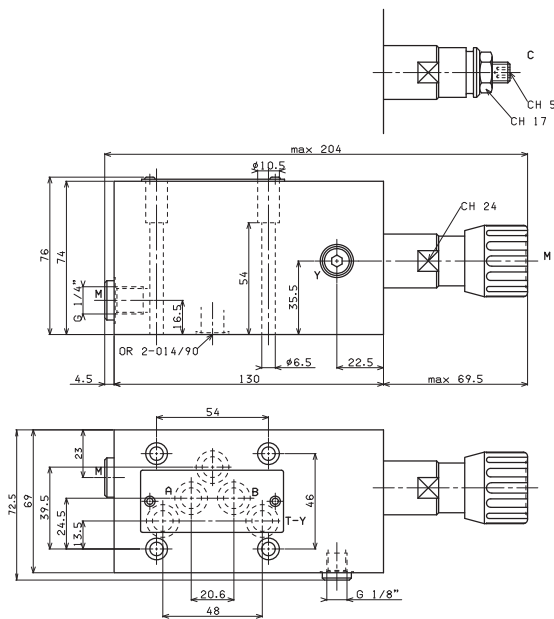


OVERALL DIMENSIONS

REDUCING VALVE WITH CHECK VALVE
PVR.U.5... CETOP 5/NG10



SEQUENCING VALVE WITH CHECK VALVE
PVS.U.5... CETOP 5/NG10



Type of adjustment

- M Plastic knob
- C Grub screw

Fixing screws UNI 5931 M6x65
with material specifications min. 8.8
Tightening torque 8 Nm / 0.8 Kgm

Support plane
specifications

